## WHAT IS CLAIMED IS:

<ol> <li>A method for protecting publicly accessible network computer services from undesirable network traffic in real-time, the method comprising: receiving network traffic destined for the services; analyzing the network traffic to identify an undesirable user of the</li> </ol>
services; and limiting access of the undesirable user to the services to protect the
services.
2. The method as claimed in claim 1 wherein the undesirable network traffic includes denial of service attacks.
$\label{eq:continuous} 3. \qquad \text{The method as claimed in claim $1$ wherein the network is the } \\ \text{Internet.}$
4. The method as claimed in claim 1 further comprising generating one or more user profiles from the network traffic wherein the step of analyzing includes the step of comparing the one or more user profiles with a predetermined profile to determine the undesirable user.
5. The method as claimed in claim 4 wherein the step of generating the one or more user profiles includes the step of generating request

- statistics for the user from the network traffic.
- The method as claimed in claim 5 wherein the request statistics include connection statistics and service request distributions.
- The method as claimed in claim 6 wherein the network is the 7. Internet and wherein the step of generating request statistics includes the steps of collecting and correlating Border Gateway Protocol (BGP) data from the Internet to obtain the service request distributions.

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the network traffic.

	8. The method as claimed in claim 7 wherein the step of
	correlating includes the step of identifying a topologically clustered set of machines
	in the Internet based on the data and wherein the service request distributions are
	generated from the set of machines.
	<ol> <li>A system for protecting publicly accessible network computer</li> </ol>
	services from undesirable network traffic in real-time, the system comprising:
	an interface for receiving network traffic destined for the services;
	a analysis engine for analyzing the network traffic to identify an
	undesirable user of the services; and
-	a forwarding engine in communication with the analysis engine for
	limiting access of the undesirable user to the services to protect the services.
	10. The system as claimed in claim 9 wherein the undesirable
	network traffic includes denial of service attacks.
	11. The system as claimed in claim 9 wherein the network is the
	Internet.
	12. The system as claimed in claim 9 wherein the forwarding
	engine generates one or more user profiles from the network traffic and wherein the

to determine the undesirable user.

13. The system as claimed in claim 12 wherein the forwarding engine generates the user profile by generating request statistics for the user from

analysis engine compares the one or more user profiles with a predetermined profile

14. The system as claimed in claim 13 wherein the request statistics include connection statistics and service request distributions.

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- The system as claimed in claim 14 wherein the network is the 15. Internet and wherein the forwarding engine collects and correlates Border Gateway Protocol (BGP) data from the Internet to obtain the service request distributions.
- The system as claimed in claim 15 wherein the forwarding 16. engine identifies a topologically clustered set of machines in the Internet based on 2 the data and wherein the service request distributions are generated from the set of 3 machines.